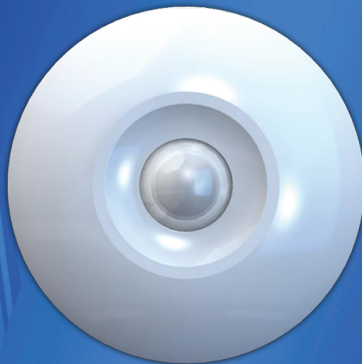




USER MANUAL

SMART LIGHTING DEVICE

Model: SH - D1

SmartHome technology development investment company limited

www.smarthome.com.vn



Mfr Code: 893604393 HDD1

SMART LIGHTING DEVICE

Model: SH - D2

The high class house !

Thank you for choosing smart lighting device SH-D1 of SmartHome. For selecting SmartHome's products, You will enjoy the best warranty services and installation support from our technical experts.

This document contains useful information during installation process and product usage. Please read the instructions carefully and retain the manual in case of need.

**Warning**

Electric shock may cause injuries or death. Before installing, repairing or cleaning the device, you should check whether the device's power is disconnected.

You should request support from technical experts or Customer Contact Center to avoid electric related accidents.

You should comply with environmental regulations when discarding or recycling the device or its packing materials.

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The smart lighting SH-D1 is the product of SmartHome Company and has been registered regarding designs, utility solutions and quality certification. All violations such as copying designs and product ideas are subject to the current copyright laws of the Socialist Republic of Vietnam.

Safety Information



Do not use power source which is different from the one stated in the specifications of the device.



Disconnect its power prior to installing, disassembling or repairing the device.



Do not store the device in high-temperature environment.



Do not disassemble the device if not necessary.



Do not clean the device with corrosive chemicals.



Warning

Comply with the safety information during the device's usage.

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Introduction

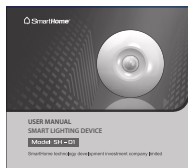
1. General introduction

Smart lighting device operates using infrared temperature sensing technology. When users are in the sensor area, the light will automatically turn on. The device is integrated with the light sensor and the ability to flexibly adjust the pending time to turn off the light when users leave the sensor area. The product's smart feature brings comfort, power saving and absolute safety to its users.

The device is suitable for:

- Restroom
- Staircase
- Corridor
- Yard, entrance
- Garage
- Warehouse, etc.

2. Product package



User manual

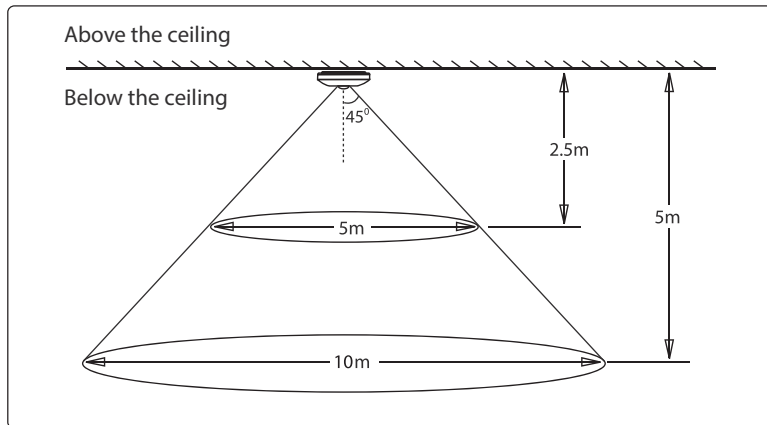


SH - D1 device



Sets of Ceiling hooks and screw anchors

3. Sensor area

**Notice**

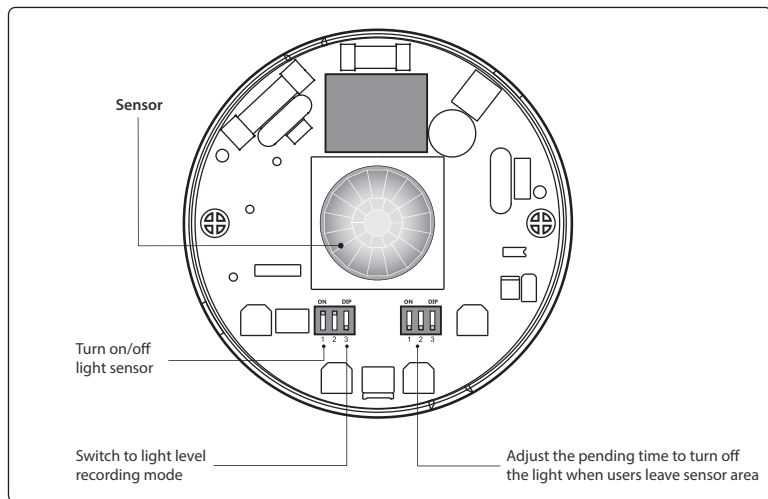
The above dimensions are the best for the device's detection ability to detect users moving into its sensor area. In case the device fails to detect users, please contact our Customer Contact Center.

4. Specifications

Voltage	220VAC - 50/60Hz
Load power	Incandescent lamp - maximum 1000W
	Fluorescent lamp - maximum 350W
Sensor range	Maximum 5m
Applicable sensor area	20m ²
Light sensing mode	Adjustable day - night mode
Operation temperature	50°C max
Dimensions (D X H)	90 x 38mm
Weight	90 gram

Device features

Components



1. Smart lighting

The smart lighting device automatically turns on upon detecting people in sensor area. When users leave the sensor area, the device will turn off after a preset period. The preset period for turning off can be set from 10 seconds to 60 minutes by switch S201. (Refer to installation section on page 14).



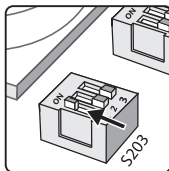
Notice

If preset time is too short, high switching frequency will shorten the life of fluorescent lamps, compacts.

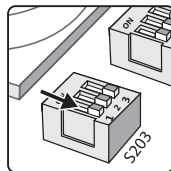
2. Light sensor

Light sensor helps the device's operation to be smarter and more power-saving. When using light sensor mode, the device automatically turns on only when actual lighting condition is darker than the preset one. Select or deselect light sensor mode by switch 203 is shown as follow

Not using
light sensor



Using
light sensor



3. Setting the preferred light level

To set the reference light, follow these steps:

- Select a time or an area which light level is suitable to set up preferred parameters.
- Disconnect the device's power and turn the third switch of S203 to ON (Figure 3a).
- Power the device for 10 seconds and then power off and turn the third switch of S203 to OFF (Figure 3b).

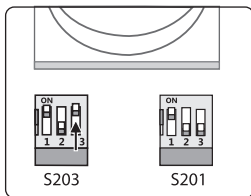


Figure 3a

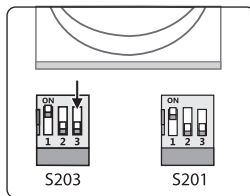


Figure 3b



Notice

The device is set up with default reference light level settings. However, users can set up the parameter again if the default one is not suitable.

4. Indicator light

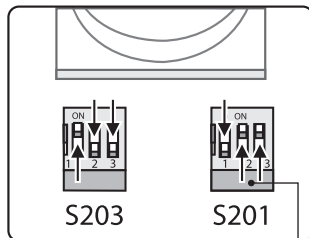
Indicator lights are used to inform the status of the device.

- **If indicator light flashes every 0.5 seconds when users are in sensor area:**
The device is operating in automatic lighting mode.
- **If indicator light is off:** no users are in sensor area.
- **If indicator flashes every 1 second:** The device is booting.

Device setting

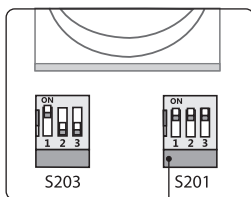
1. Default mode

Mode	Default Value	Actual installation
Light sensor	Off	
Automatically turn on	10 minutes	

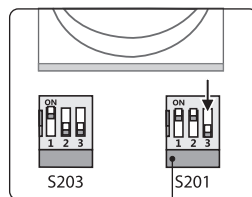


Automatically turn off
after 15 seconds

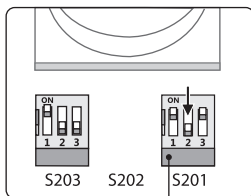
2. Time setting



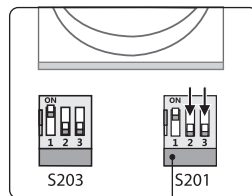
Automatically turn off
after 10 seconds



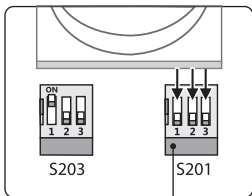
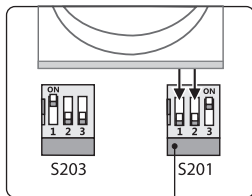
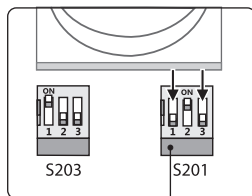
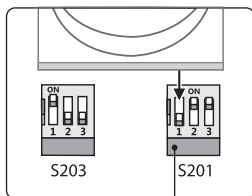
Automatically turn off
after 60 seconds



Automatically turn off
after 3 minutes

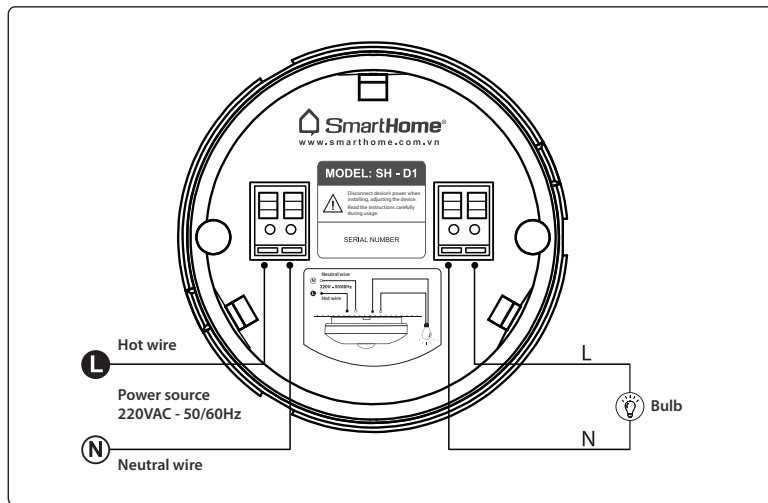


Automatically turn off
after 5 minutes

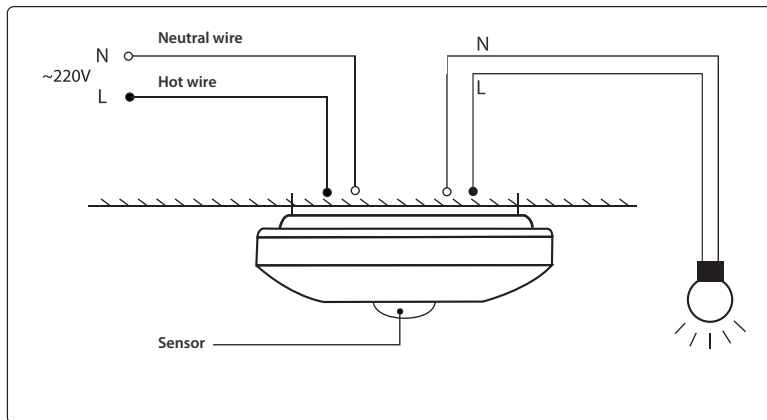


Installation

The back of device



1. Device connection scheme



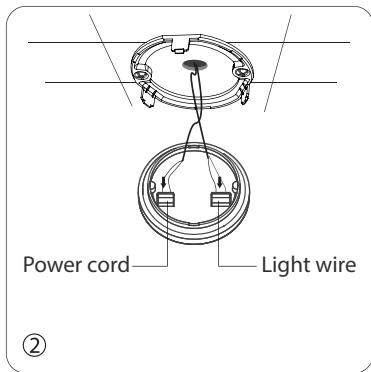
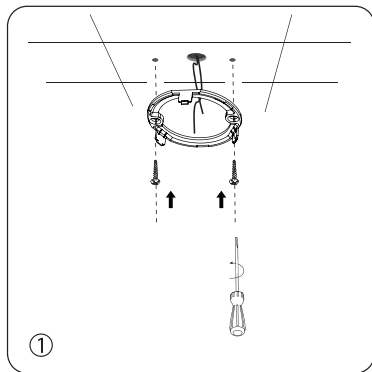
Notice

The light can be replaced by other indicator ones based on users' demand (bell, fan, alarm devices etc.).

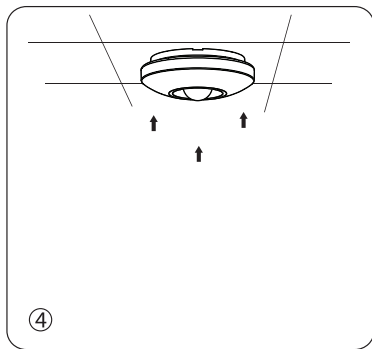
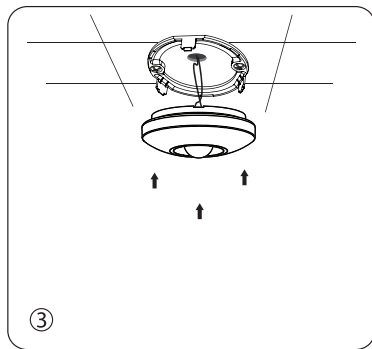
2. Installation steps

Step 1: Drill two screw holes to mount the hook onto the ceiling. (Notice: avoid underground wire upon drilling as in Figure 1).

Step 2: Connect power cord, light wire and switch wire to corresponding power connector, light and switch of the device (Figure 2).



Step 3: Mount the device to the hook to fix it onto the ceiling (Figure 3&4).



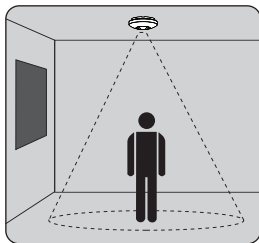
Warning

All wires/cords mentioned in Step 2 should be connected properly to avoid damage to the device.

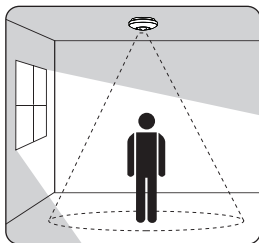
During installation, the sensor surface should be kept from being scratched, which may affect the sensor's sensitivity.

Problems during usage

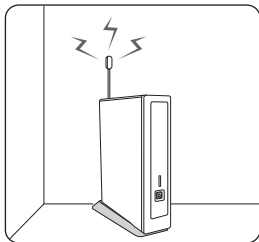
The following cases are not caused by device's error



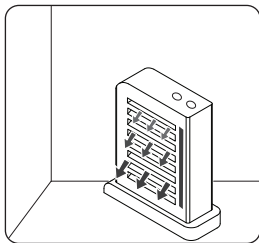
Lights turn off when there is no user's motion in the room.



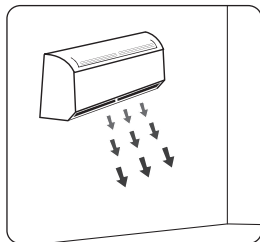
Lights do not turn on when there is enough light in the room.

The following cases are not caused by device's error

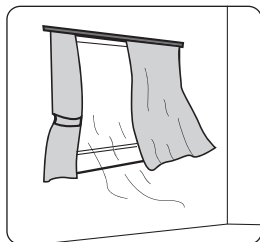
Lights turn on due to nearby powerful transmitting equipment.



Lights turn on due to a nearby steam fan.

The following cases are not caused by device's error

Lights turn on due to the impact of air conditioning or heat sources (cooker, microwave, stove etc.).



Lights turn on due to moving objects.

No	Symptom	Solution
1	The device does not operate, indicator does not flash when there is a user in sensor area.	Check power connection when the device does not work. In case you cannot solve the problem, please contact Customer Contact Center for assistance.
2	Indicator light flashes when there is a user but the light does not turn on.	If the light is not on, check whether it is broken or not. In case you cannot solve the problem, please contact Customer Contact Center for assistance.
3	The lighting device flashes continuously.	Check whether there is an interference source affecting device in sensor area. (Refer to page 21 - 22). In case you cannot solve the problem, please contact Customer Contact Center for assistance.

No	Symptom	Solution
4	The device only operates in the dark.	The device has been installed in environment light mode. To disable this mode, refer to light sensor mode setting (page 10).
5	Device's Led does not flash when powered and does not operate.	Device is in the mode of recording preferred light level. Please turn Switch 3 of S203 to OFF (refer to page 11).

Contact Customer Care Center for more details about products.



Customer Care Center: 1900 6632